MARTIN MARIETTA ENERGY SYSTEMS
MAINTENANCE ENGINEERING PROCEDURE
OAK RIDGE GASEOUS DIFFUSION PLANT
OAK RIDGE, TENNESSEE 37831

TITLE: REMOVAL OF K-29 FREON CONDENSER

A. SCOPE

This procedure outlines the safe handling practices required in the removal of K-29 freon condensers.

B. SAFETY

1. Instructions in the General Safe Practices listed in ORGDP Safety and Health Standards will apply.

2. A properly completed Safety Work Permit (UCN-3694B) is required prior to removal of condenser.

WARNING

While cutting coolent inlet and outlet lines phosoene gas may be generated. Use full face respirator with GMR canister (MSA 88182) if not in confined space. If in confined space use an air line respirator or a self-contained breathing apparatus.

The condensers are located in heat stress areas, avoid over heating by utilizing nearby cool room and/or drinking cold water.

Use properly fitting wrenches and wear gloves. Improperly fitting wrenches may slip causing hand to strike against equipment.

Use 3/4" shackles and 3/4" x 10' chokers (two each) around condenser shell. This will prevent rigging equipment failure and shifting of load. After chokers are in place stand clear of condenser.

Prepared: T C Sweet Classification: K R H

Approved: Dale Gordon

WARNING

Do not use hose in applications above the hose maximum rated working pressure.

2. Tool Repair Expanded Responsibilities.

   a. Tool Repair personnel will review the operating parameters and determine if they can fabricate and/or repair the requested hose assembly. If unable to fulfill the request, they will notify the requestor.

   b. Tool repair personnel will fabricate and/or repair the hose assembly requested.

   c. Tool Repair personnel will enter the following information on Part II of Form UCN-XXXXX:

      1) Stores and/or Part Number of Hose.

      2) Recommended Working Pressure in PSI (rated pressure).

      3) Type of Hose - Manufacturer and Material.

      4) Fittings - Type and Part Number.

   d. Tool Repair will send the hose assembly to E.T.&I. for testing, inspection, and tagging.

3. Disconnect come-a-longs and move condenser to the southend of K-29 by the crane.

4. Place condenser on cart.